

# Who Needs 2 Doses of 2023-24 Seasonal Influenza Vaccine?

## 2023-24 Pediatric 2-Dose Algorithm for Children Aged 6 Months through 8 Years

Did the child receive 2 or more total doses\* of trivalent or quadrivalent influenza vaccine at least 4 weeks apart **before** July 1, 2023?

Yes

Give 1 dose of 2023-24 flu vaccine

No/Not Sure

Give 2 doses of 2023-24 flu vaccine\*\*

\*Doses do not need to have been administered in the same season or consecutive seasons

\*\*Minimum interval between the 2 doses is 4 weeks

### Points to consider for the 2023-24 Influenza Season

- All persons aged 6 months and older without contraindications need at least 1 dose of 2023-24 flu vaccine
- Determination of the number of doses needed is based on the child's age at the time of the 1<sup>st</sup> dose of 2023-24 flu vaccine and the number of doses of flu vaccine received in previous flu seasons
- Children aged 6 months through 8 years need 2 doses of flu vaccine during their 1<sup>st</sup> season of vaccination
- Children aged 6 months through 8 years who received 2 or more total doses of any trivalent or quadrivalent flu vaccine (e.g., IIV3, IIV4, LAIV3, LAIV4, cclIV3, cclIV4) a minimum of 4 weeks apart before July 1, 2023, only need 1 dose of 2023-24 flu vaccine
- If a child has not received at least 2 trivalent or quadrivalent flu vaccines before July 1, 2023, or their flu vaccination history is unknown, give 2 doses of 2023-24 flu vaccine separated by 4 weeks
  - Give the 1<sup>st</sup> dose as soon as possible after vaccine becomes available to allow the 2<sup>nd</sup> dose to be received by the end of October
  - The same vaccine product does not need to be used for both doses; use any age-appropriate flu vaccine that is available that day (and ensure you use the correct dose volume, see box below)
  - Two doses are recommended **even if the child turns age 9 years between receipt of dose 1 and dose 2**
- When assessing a child's flu vaccine history to determine if 1 or 2 doses are needed, only review flu vaccine doses given prior to July 1, 2023 (i.e., do not include doses received during the 2023-24 flu season)
- Acronyms: Inactivated Influenza Vaccine, trivalent (IIV3) and quadrivalent (IIV4); cell culture based IIV, trivalent (cclIV3) and quadrivalent (cclIV4); Live Attenuated Influenza Vaccine, trivalent (LAIV3) and quadrivalent (LAIV4); **NOTE:** not all these presentations<sup>1</sup> are available in 2023-24

Remember dose volume for **standard-dose injectable IIV4** is based on **age** and **flu vaccine product**<sup>2</sup>:

- Dose volume for children aged 3 years and older is 0.5 mL **regardless of flu vaccine product**
- Dose volume of IIV4 vaccines for children aged 6-35 months: 0.25 mL per dose of Afluria® Quadrivalent; 0.5 mL per dose for Fluarix® Quadrivalent, and FluLaval® Quadrivalent; **either 0.25 mL per dose or 0.5 mL per dose** of Fluzone® Quadrivalent. No preference is expressed for either Fluzone dose volume for this age group.
- Dose volume of cclIV4 vaccine for children aged 6 months and older: 0.5 mL per dose of Flucelvax® Quadrivalent.

<sup>1</sup>For more information on available flu vaccine presentations, refer to "2023-24 Seasonal Influenza Vaccine Presentation Chart" at [www.michigan.gov/flu/resources/resources-for-health-professionals](http://www.michigan.gov/flu/resources/resources-for-health-professionals).

<sup>2</sup>For more information on pediatric flu vaccine dose volume, refer to "2023-24 Seasonal Influenza Vaccine Dose Volumes for Children" at [www.michigan.gov/flu/resources/resources-for-health-professionals](http://www.michigan.gov/flu/resources/resources-for-health-professionals).

Refer to [Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices — United States, 2023–24 Influenza Season Recommendations and Reports / August 25, 2023 / 72\(2\);1–25](https://www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/flu.html), located at [www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/flu.html](https://www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/flu.html). For more information regarding flu vaccination, refer to [www.Michigan.gov/flu](http://www.Michigan.gov/flu), [www.cdc.gov/vaccines](https://www.cdc.gov/vaccines), or [www.cdc.gov/mmwr](https://www.cdc.gov/mmwr).